



Diamond Z DZH 7000

Startup/ Lockout

Standard Operating Procedure

**WASTE
REDUCTION
& DISPOSAL
DIVISION**

Greens Processing

Startup Procedure:

1. Complete checkout sheet: record equipment hours on EMS Form – WRAD-F-GP-01,
2. Startup machine in accordance with DZH 7000 startup procedure in manufacturer's manual,
3. Set appropriate speeds for engine and mill according to material being processed,
4. Visually monitor material stockpile for any foreign object debris (FOD),
5. Check hammers and tips every four (4) hours or immediately after any FOD incident,
6. During grinding operations, keep personnel 500 feet away from feed end, including 45 degrees from feed rollers, of the machine,
7. Shut down machine – see lock out procedure below,
**Note:* Always allow five minutes for cool down prior to engine shutoff.
8. Record operating hours,
9. Note and report any damage or mechanical malfunctions to the Greens Operations Supervisor.

Lockout Procedure:

1. Notify all affected employees that a lockout system is going to be utilized and the reason for the lockout,
2. Locate and turn off fluid coupler, *if running*,
3. Locate Phase I and Phase II conveyor valves and shut off,
4. Locate flow control to roller assembly and shut off,
5. Locate flow control to feed conveyor and shut off,
6. Lock out mill for maintenance, if applicable,
7. Remove grounding key and take the key and remote with you,
8. Once grounding key is removed, lockout and tag out the grinder by placing the lock on the master switch lockout cover.

Sequence for Removal of Lockout

1. Notify all affected persons of the lockout removal.
2. Remove the lock from the master switch lockout cover and follow startup procedure above.

Benefit of Compliance to Instruction:

- Proper warm up increases work performance and life span of machinery
- Checklists bring attention to any minor repairs before they cause severe damage to equipment
- Ensures the safety of all personnel

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Consequence of Non-Compliance to Instruction:

- Possible injury to personnel
- Severe damage to costly machinery
- Disciplinary action

Environmental Management System (EMS) –ISO 14001

PROCESS MAP #: GP-1.0

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